Miscellaneous Library Features Examples

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Pass by reference by value?

- Explain why the code below does not change the value of n
- How could it be made to work as expected?

```
void incr(int& number, int& value) {        // Function with reference argument
   number = value;
   ++value;
}

int n{2};
auto incr_n = bind(incr, _1, n);            // Bind n as second argument of incr
incr_n(number);                             // Call it with bound argument
cout << n << endl;
```

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fstream constructor

- Write a simple program which passes an std::string object as the argument to the constructor of std::fstream

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Converting between strings and numbers

- Write a simple program which uses std::to_string() to convert a number to an std::string
- Modify your program to convert this std::string to
  - An int
  - A double

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Sequential containers data() member function

- What does the data() member function do?
- How could this be useful?
- Write a simple program which demonstrates the use of the data() member function

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